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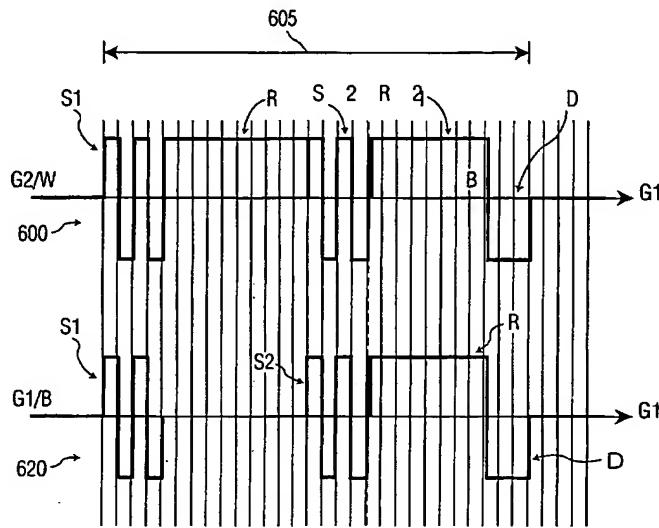
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[Continued on next page]

(54) Title: A BI-STABLE DISPLAY WITH ACCURATE GREYSCALE AND NATURAL IMAGE UPDATE



(57) Abstract: An accurate greyscale is obtained with more natural image updates when updating a display (310) in a bi-stable electronic reading device (300, 400), such as one using an electrophoretic display, by applying a first shaking pulse (S1) to the display, applying a first portion (R1) of a reset pulse to the display following the first shaking pulse (S1), applying a second shaking pulse (S2) to the display following the first portion (R1), and applying a second portion (R2) of the reset pulse to the display following the second shaking pulse (S2). The first portion may have a standard reset duration, while the second portion has an over-reset duration. A visual shock effect is avoided which would otherwise be applied after the entire reset pulse.

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